YNK-DBR No.....
Date.....

AEE, YSTSD
SBR No: 78/21-22
Date: 21.11.2020

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No: **Third and Final Bill**

Division: **Yelahanka** Sub-Division: **Yelahanka New Town Sub Division**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: P.3873 **Work Code: 003-22-000003** Est.Cost- 2000.00 LAKHS

Name of Work: **Restoration and Improvements of Mahalakshmi layout, Balaji layout, Best County-II & III, Bhaskar Reddy, Andhra layout, Thirumalanagara and surrounding areas in ward no-03 of Yelahanka New town Sub Division (PACKAGE NO-10).**

Name of Contractor and Full Address : **M/s SMLP Asphalts (Pro B.B Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064.**

Reference to Agreement No: **BBMP/EE/YNK.D/EPMT-08/W.O/107/2021-22** Date: **15-02-2022**

Certified that the measurements were taken by me on 30/07/2022 and recorded of Pages 585327 - 585335

measurement Book No. 5854 ,and that the work is satisfactorily executed.

Contractor 30/08/2022 Officer-in-charge of work AE

Certified that the measurement were taken by me on .....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Rs 9911239
2)	Deduct amount to be held in reserve being ..... percent	Rs
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	
	b) Payments Now made: cost store or other material supplied. recovery of amount creditable to this/other work. Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor	unadjustments items.
8)	Advance to Contractor for materials brought to site (as detailed) within	
9)	Value of Government materials supplied.	
	Total amount adjusted	

Amt =Rs 4945100

FSD =Rs —

ST =Rs 44130

ST =Rs 44130

=Rs 989020

=Rs 4945100

=Rs 4945

alty =Rs 595000

=Rs 3011041

=Rs 6439959

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

(For use in the Office)

Audited & Admitted For Rs. 4945100

Stamp By Ch Rs: 6439959 (In Words).....

For Rs. 3011041 And by Adjustment

Initials of Officer making payment

Account Student 29/11

Exe Engineer
Executive Engineer
B.B.M.P. Bangalore

ABSTRACT

Item No	Description	unit	Modified Shedule-II			Previous			Present			Total Upto Date		Remarks
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly, after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	10479.60	217.43	2278580.00	8347.08	217.43	1814907.00	2132.31	217.43	463630.00	10479.40	2278537.00	
2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification and as per the directions of the Engineer-in-charge of the work. Qty Upto 125%	Cum	302.81	2600.49	787461.00	302.83	2600.49	787494.00	0.00	2600.49	0.00	302.83	787494.00	
	Qty Above 125%	Cum	87.43	2600.49	227355.00	87.42	2600.49	227322.00	0.00	2600.49	0.00	87.42	227322.00	
3	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour. HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	1348.94	5675.99	7656596.00	907.76	5675.99	5152432.00	441.19	5675.99	2504165.00	1348.94	7656597.00	
4	Providing TMT Bars Fe 500 steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. and as per the directions of the Engineer-in-charge of the work	Tonne	189.74	80948.07	15358954.00	149.20	80948.07	12077586.00	40.54	80948.07	3281368.00	189.74	15358954.00	
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete excluding cost of steel as per MORTH specification and as per the directions of the Engineer-in-charge of the work	Cum	2621.78	7497.22	19656069.00	1988.00	7497.22	14904444.00	633.79	7497.22	4751626.00	2621.78	19656070.00	

Item No	Description	unit	Modified Shedule-B			Previous			Present			Total Upto Date		Remarks
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
6	Providing and Placing Reinforced / Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. B. RCC with OPC cement design mix M25 @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7cum and fine aggregates @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed- 2008, inclading cost of materials, labour, HOM, Curing, form works, scaffolding and centering complete as per specification and as per the directions of the Engineer-in-charge of the work	Cum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete. and as per the directions of the Engineer-in-charge of the work	Sqm	4644.20	1941.22	9015405.00	3256.04	1941.22	6320681.00	1388.16	1941.22	2694724.00	4644.20	9015405.00	
8	Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Sqm	1286.33	112.41	144596.00	1286.33	112.41	144596.00	0.00	112.41	0.00	1286.33	144596.00	
	Qty Above 125%	Sqm	291.53	112.41	32772.00	138.17	112.41	15532.00	153.36	112.41	17240.00	291.53	32772.00	
9	Providing one line dressing to granite stone slab / granite stone masonry as per specifications. and as per the directions of the Engineer-in-charge of the work	Sqm	881.87	960.33	846882.00	728.51	960.33	699606.00	153.36	960.33	147277.00	881.87	846883.00	
10	Providing and Fixing pre cast covering Slab 150mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Sqm	956.25	2517.93	2407771.00	956.25	2517.93	2407771.00	0.00	2517.93	0.00	956.25	2407771.00	
	Qty Above 125%	Sqm	196.95	2517.93	495907.00	196.95	2517.93	495907.00	0.00	2517.93	0.00	196.95	495907.00	
11	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and as per the directions of the Engineer-in-charge of the work	Sqm	395.06	4530.86	1789962.00	308.06	4530.86	1395777.00	87.00	4530.86	394185.00	395.06	1789962.00	

Item No	Description	unit	Modified Shedule-B			Previous			Present			Total Upto Date		Remarks
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
12	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	248.47	6089.85	1513122.00	181.06	6089.85	1102598.00	67.41	6089.85	410524.00	248.47	1513122.00	
13	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, grding the edge to half/full round wherever required, labour, curing complete as per specification. and as per the directions of the Engineer-in-charge of the work	Sqm	787.71	1318.98	1038969.00	0.00	1318.98	0.00	787.71	1318.98	1038969.00	787.71	1038969.00	
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc and as per the directions of the Engineer-in-charge of the work	Nos	25107.00	436.80	10966738.00	18102.00	436.80	7906954.00	7005.00	436.80	3059784.00	25107.00	10966738.00	
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Sqm	3389.18	85.65	290284.00	2443.62	85.65	209297.00	945.56	85.65	80988.00	3389.18	290285.00	
16	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	23820.72	64.58	1538343.00	17513.34	64.58	1131012.00	6303.05	64.58	407052.00	23816.40	1538064.00	
17	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Sqm	63696.03	6.42	408929.00	49249.47	6.42	316182.00	14434.25	6.42	92668.00	63683.72	408850.00	

Item No	Description	unit	Modified Shedule-B			Previous			Present			Total Upto Date		Remarks
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
18	Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density and as per the directions of the Engineer-in-charge of the work Qty upto 125%	Cum	2987.63	347.95	1039545.00	1791.77	347.95	623446.00	1195.86	347.95	416099.00	2987.63	1039545.00	
	Qty Above 125%	Cum	653.76	347.95	227473.00	0.00	347.95	0.00	649.42	347.95	225964.00	649.42	225964.00	
19	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	9779.07	2014.87	19703547.00	7387.42	2014.87	14884693.00	2389.62	2014.87	4814766.00	9777.04	19699459.00	
20	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as	Cum	12739.21	2021.29	25749629.00	9849.89	2021.29	19909493.00	2886.85	2021.29	5835163.00	12736.74	25744656.00	
21	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specification. and as per the directions of the Engineer-in-charge of the work	Sqm	63832.56	34.26	2186904.00	49386.01	34.26	1691965.00	14434.25	34.26	494518.00	63820.26	2186483.00	
22	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification sand as per the directions of the Engineer-in-	Cum	3191.63	7365.73	23508671.00	2469.30	7365.73	18188200.00	721.71	7365.73	5315941.00	3191.01	23504141.00	
23	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Sqm	63832.56	12.85	820249.00	49386.01	12.85	634611.00	14434.25	12.85	185481.00	63820.26	820092.00	

Item No	Description	unit	Modified Shedule-B			Previous			Present			Total Upto Date		Remarks
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
24	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	2553.30	8534.82	21791978.00	1975.44	8534.82	16860027.00	577.37	8534.82	4927751.00	2552.81	21787778.00	
25	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver and as per the directions of the Engineer-in-charge of the work	Cum	181.23	4101.90	743367.00	137.84	4101.90	565426.00	43.38	4101.90	177942.00	181.23	743368.00	
	Qty Above 125%	Cum	180.74	4756.12	859612.00	0.00	4756.12	0.00	180.65	4756.12	859192.00	180.65	859192.00	
26	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. and as per the directions of the Engineer-in-charge of the work	Cum	181.23	5690.65	1031289.00	137.84	5690.65	784427.00	43.38	5690.65	246862.00	181.23	1031289.00	

Item No	Description	unit	Modified Shedule-B			Previous			Present			Total Upto Date		Remarks
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
	Qty Above 125%	Cum	180.74	6062.35	1095697.00	0.00	6062.35	0.00	180.65	6062.35	1095161.00	180.65	1095161.00	
27	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Sqm	1870.53	459.29	859114.00	1468.94	459.29	674670.00	401.47	459.29	184389.00	1870.41	859059.00	
28	Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer and as per the directions of the Engineer-in-charge of the work	Nos	1146.00	360.79	413466.00	1146.00	360.79	413466.00	0.00	360.79	0.00	1146.00	413466.00	

Item No	Description	unit	Modified Shedule-B			Previous			Present			Total Upto Date		Remarks
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
E1	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.	Sqm	280.62	989.23	277599.00	250.68	989.23	247982.00	29.94	989.23	29618.00	280.62	277600.00	
	Sub Total				176762835.00			132588504.00			44153047.00		176741551.00	
	GST @12%				21211541.00			15910621.00			5298366.00		21208987.00	
	TOTAL AMOUNT				197974376.00			148499125.00			49451413.00		197950538.00	

Certificate

1 The Work executed by the contractor is found satisfactory

2 The contractor has removed the debris from the work spot

3. Thereare no departmental issues for this work

Contractor

Asst Engineer

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-೫೬